

\*\*\*\*\* STN Columbus \*\*\*\*\*

FILE 'HOME' ENTERED AT 18:16:10 ON 16 NOV 2009

```
=> file agricola
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                               ENTRY      SESSION
FULL ESTIMATED COST          0.22      0.22
```

FILE 'AGRICOLA' ENTERED AT 18:16:27 ON 16 NOV 2009

FILE COVERS 1970 TO 16 Nov 2009 (20091116/ED)

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This file contains CAS Registry Numbers for easy and accurate  
substance identification.

```
=> s saprolegnia and desaturase
      277 SAPROLEGNIA
      1510 DESATURASE
L1      0 SAPROLEGNIA AND DESATURASE

=> desaturase and 20 and carbon
DESATURASE IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).
```

```
=> s desaturase
L2      1510 DESATURASE

=> s 20 or 22
      107934 20
      54239 22
L3      153960 20 OR 22

=> s 12 and 13 and carbon
      62071 CARBON
L4      13 L2 AND L3 AND CARBON
```

=> d 1-13

```
L4  ANSWER 1 OF 13 AGRICOLA Compiled and distributed by the National
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    of America. It contains copyrighted materials. All rights reserved.
    (2009) on STN
AN  2008:96513 AGRICOLA
DN  IND44075690
TI  Reduced Oil Accumulation in Cottonseeds Transformed with a Brassica
    Nonfunctional Allele of a Delta-12 Fatty Acid Desaturase (FAD2)
AU  Chapman, K.D.; Neogi, P.B.; Hake, K.D.; Stawska, A.A.; Speed, T.R.;
    Cotter, M.Q.; Garrett, D.C.; Kerby, T.; Richardson, C.D.; Ayre, B.G.
SO  Crop science, 2008 July-Aug Vol. 48, no. 4 p. 1470-1481
    ISSN: 0011-183X
NTE Includes references
```

DT Article; (ELECTRONIC RESOURCE)  
 FS Other US  
 LA English

L4 ANSWER 2 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2009) on STN

AN 2008:18670 AGRICOLA  
 DN IND44000302

TI Identification and characterization of a novel yeast d-fatty acid desaturase acting on long-chain n-6 fatty acid substrates from *Pichia pastoris*.

AU Zhang, Xinxin; Li, Mingchun; Wei, Dongsheng; Xing, Laijun  
 SO Yeast, 2008 Jan. Vol. 25, no. 1 p. 21-27  
 Publisher: John Wiley & Sons, Ltd.  
 ISSN: 0749-503X

NTE Includes references  
 DT Article; (ELECTRONIC RESOURCE)  
 FS Non-US  
 LA English

L4 ANSWER 3 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2009) on STN

AN 2007:99180 AGRICOLA  
 DN IND43950372

TI Spore germination in *Mortierella alpina* is associated with a transient depletion of arachidonic acid and induction of fatty acid desaturase gene expression.

AU Lounds, C.; Eagles, J.; Carter, A. T.; MacKenzie, D. A.; Archer, D. B.  
 SO Archives of microbiology, 2007 Oct. Vol. 188, no. 4 p. 299-305  
 Publisher: Berlin/Heidelberg : Springer-Verlag  
 ISSN: 0302-8933

NTE Includes references  
 DT Article; (ELECTRONIC RESOURCE)  
 FS Non-US  
 LA English

L4 ANSWER 4 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2009) on STN

AN 2007:76664 AGRICOLA  
 DN IND43927895

TI Responses of a Thermophilic *Synechococcus* Isolate from the Microbial Mat of Octopus Spring to Light.

AU Kilian, Oliver; Steunou, Anne-Soisig; Fazeli, Fariba; Bailey, Shaun; Bhaya, Devaki; Grossman, Arthur R.  
 SO Applied and environmental microbiology AEM, 2007 July 1 Vol. 73, no. 13 p. 4268-4278  
 Publisher: American Society for Microbiology  
 ISSN: 0099-2240

NTE Includes references  
 DT Article; (ELECTRONIC RESOURCE)  
 FS Other US  
 LA English

L4 ANSWER 5 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States

of America. It contains copyrighted materials. All rights reserved.  
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AN 2004:16072 AGRICOLA

DN IND43621878

TI Effects of beef- and fish-based diets on the kinetics of n--3 fatty acid metabolism in human subjects.

AU Pawlosky, R.J.; Hibbeln, J.R.; Lin, Y.; Goodson, S.; Riggs, P.; Sebring, N.; Brown, G.L.; Salem, N. Jr

AV DNAL (389.8 J824)

SO American journal of clinical nutrition, 2003 Mar. Vol. 77, no. 3 p. 565-572

ISSN: 0002-9165

NTE Includes references

DT Article

FS Other US

LA English

L4 ANSWER 6 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2009) on STN

AN 2000:60364 AGRICOLA

DN IND22060412

TI Characterization of the Brassica napus extraplastidial linoleate desaturase by expression in Saccharomyces cerevisiae.

AU Reed, D.W.; Schafer, U.A.; Covello, P.S.

AV DNAL (450 P692)

SO Plant physiology, Mar 2000. Vol. 122, No. 3. p. 715-720

CODEN: PLPHAY; ISSN: 0032-0889

NTE Includes references

CY Maryland; United States

DT Article; Conference

FS Other US

LA English

L4 ANSWER 7 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
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AN 1999:55493 AGRICOLA

DN IND21996569

TI The delta 8-desaturase of Euglena gracilis: an alternate pathway for synthesis of 20-carbon polyunsaturated fatty acids.

AU Wallis, J.G.; Browne, J.

CS Washington State University, Pullman.

AV DNAL (381 Ar2)

SO Archives of biochemistry and biophysics, May 15, 1999. Vol. 365, No. 2. p. 307-316

Publisher: Orlando, Fla. : Academic Press.

CODEN: ABBIA4; ISSN: 0003-9861

NTE Includes references

CY Florida; United States

DT Article

FS U.S. Imprints not USDA, Experiment or Extension

LA English

L4 ANSWER 8 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
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AN 97:82251 AGRICOLA  
 DN IND20604778  
 TI Characterization of *Saccharomyces cerevisiae* CYP61, sterol delta 22-desaturase, and inhibition by azole antifungal agents.  
 AU Kelly, S.L.; Lamb, D.C.; Baldwin, B.C.; Corran, A.J.; Kelly, D.E.  
 CS Sheffield University, UK.  
 AV DNAL (381 J824)  
 SO The Journal of biological chemistry, Apr 11, 1997. Vol. 272, No. 15. p. 9986-9988  
 Publisher: Bethesda, Md. : American Society for Biochemistry and Molecular Biology.  
 CODEN: JBCHA3; ISSN: 0021-9258

NTE Includes references  
 CY Maryland; United States  
 DT Article  
 FS U.S. Imprints not USDA, Experiment or Extension  
 LA English

L4 ANSWER 9 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2009) on STN

AN 97:52675 AGRICOLA  
 DN IND20578301  
 TI Identification of an animal omega-3 fatty acid desaturase by heterologous expression in *Arabidopsis*.  
 AU Spychalla, J.P.; Kinney, A.J.; Browse, J.  
 CS Spychalla Farms, Inc., Antigo, WI.  
 SO Proceedings of the National Academy of Sciences of the United States of America, Feb 18, 1997. Vol. 94, No. 4. p. 1142-1147  
 Publisher: Washington, D.C. : National Academy of Sciences, CODEN: PNASA6; ISSN: 0027-8424

NTE Includes references  
 CY District of Columbia; United States  
 DT Article; Conference  
 FS U.S. Imprints not USDA, Experiment or Extension  
 LA English

L4 ANSWER 10 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2009) on STN

AN 97:39759 AGRICOLA  
 DN IND20569216  
 TI Reevaluation of the pathways for the biosynthesis of polyunsaturated fatty acids.  
 AU Sprecher, H.; Luthria, D.L.; Mohammed, B.S.; Baykousheva, S.P.  
 CS Ohio State University, Columbus, OH.  
 AV DNAL (381 J8282)  
 SO Journal of lipid research, Dec 1995. Vol. 36, No. 12. p. 2471-2477  
 Publisher: Bethesda, Md. : Lipid Research, inc., 1959-  
 CODEN: JLPRAW; ISSN: 0022-2275

NTE Includes references  
 CY Maryland; United States  
 DT Article  
 FS U.S. Imprints not USDA, Experiment or Extension  
 LA English

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AN 96:13101 AGRICOLA  
DN IND20500208

TI Essential fatty acid metabolism in the feline: relationship between liver and brain production of long-chain polyunsaturated fatty acids.

AU Pawlosky, R.; Barnes, A.; Salem, N. Jr  
CS National Institute on Alcoholism and Alcohol Abuse, Rockville, MD.  
AV DNAL (381 J8282)  
SO Journal of lipid research, Nov 1994. Vol. 35, No. 11. p. 2032-2040  
Publisher: Bethesda, Md. : Lipid Research, inc., 1959-  
CODEN: JLPRAW; ISSN: 0022-2275

NTE Includes references

CY Maryland; United States

DT Article

FS U.S. Imprints not USDA, Experiment or Extension

LA English

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AN 93:90708 AGRICOLA  
DN IND20356984

TI Polyunsaturated fatty acid metabolism and acetylated low density lipoprotein uptake in J774A.1 cells.

AU Shichiri, G.; Kinoshita, M.; Saeki, Y.  
AV DNAL (410 B77)

SO Animal behaviour, June 1993. Vol. 45, No. pt.6. p. 231-237  
Publisher: London : Academic Press.  
CODEN: ANBEA8; ISSN: 0003-3472

NTE Includes references

CY England; United Kingdom

DT Article

FS Non-U.S. Imprint other than FAO

LA English

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AN 92:49884 AGRICOLA  
DN IND92024892

TI Effect of feed on the composition of milk fat.

AU Grummer, R.R.  
CS University of Wisconsin, Madison  
AV DNAL (44.8 J822)

SO Journal of dairy science, Sept 1991. Vol. 74, No. 9. p. 3244-3257  
Publisher: Champaign, Ill. : American Dairy Science Association.  
CODEN: JDSCAE; ISSN: 0022-0302

NTE Literature review.

Includes references.

DT Article; (SURVEY OF LITURATURE)

FS U.S. Imprints not USDA, Experiment or Extension

LA English

=> FIL STNGUIDE

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

19.51

19.73

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